**ACADEMIC PROGRAM WORKSHEET FOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Admitted to PhD Program on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Term and Year)**

**COMMITTEE MEMBERS:**

(Chairperson) 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (required - mentor) 4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (required)

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (required– outside member) 5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (required)

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (required) 6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (optional)

**REQUIREMENTS:**

**Core Competency**: Students seeking a Master of Science degree in biology must have completed formal course work at the undergraduate and/or graduate level in (or have equivalent training related to) **five** of the following nine core competency areas:

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| **Competency Area** | **Course title, term, place of completion (or equivalent)** | **Competency Area** | **Course title, term, place of completion (or equivalent)** |
| 1) Ecology |  | 6) Genetics/Molecular Genetics |  |
| 2) Evolution |  | 7) Microbiology |  |
| 3) Physiology |  | 8) Organismal Biology |  |
| 4) Cell/Molecular Biology |  | 9) Systems/Computational Biology/Bioinformatics |  |
| 5) Developmental Biology/Embryology |  |  |  |

**CERTIFICATE PROGRAM (Optional):**

Course Semester (Year) Credits Grade

**EXPECTED DATE FOR COMPLETION OF DEGREE REQUIREMENTS:**

**Worksheet for PhD degree – with B.S. degree: 72 credit hours required – must span a minimum of 9 semesters.**

**Prior to Candidacy: 48 credits (500-level or above) – required credit hours are highlighted in gray**

* **Max of 16 credits of BY 798**
* **Max of 10 credits of labs, seminars, GRD, CIRTL - collectively**

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| **Course** | **Didactic Courses** | | **Labs** | | **GRD/CIRTL** | | **Seminars (3)** | | **BY 698 (max. 16)** | |
| Term/Yr | Credits | Term/Yr | Credits | Term/Yr | Credits | Term/Yr | Credits | Term/Yr | Credits |
| **BY 755 – Statistics** |  | **3** |  |  |  |  |  |  |  |  |
| **GRD 715 – TA Prep Course** |  |  |  |  |  | **2** |  |  |  |  |
| **GRD 717 – Scientific Integrity** |  |  |  |  |  | **3** |  |  |  |  |
|  |  |  |  |  |  |  |  | **1** |  |  |
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| **Subtotals** | |  | Collective Max: 10 | | | | |  | Max. 16 |  |
| **Total** | |  | | | | | | | | |

**Date of Candidacy: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**As Candidate: 24 credits**

* Minimum of 24 credits of BY 799 (or a combo of 12 credits of BY 799 and 12 credits of didactic credits)

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| **Course** | **BY 799 (min. 12)** | | **Didactic Courses** | | **Other Credits** | |
| Term/Yr | Credits | Term/Yr | Credits | Term/Yr | Credits |
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| **Subtotals** | Min. 12 |  |  |  |  |  |
| **Total** |  | |  | |  | |

**ADDITIONAL GRADUATE COURSES COMPLETED:**

Course Semester (Year) Credits Grade

**Worksheet for PhD degree – with M.S. or equivalent degree: 51 credit hours required – must span a minimum of 9 semesters.**

**Prior to Candidacy: 27 credits (500-level or above) – required credit hours are highlighted in gray**

* **Max of 6 credits of BY 798**
* **Max of 6 credits of labs, seminars, GRD, CIRTL - collectively**

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| **Course** | **Didactic Courses** | | **Labs** | | **GRD/CIRTL** | | **Seminars (3)** | | **BY 698 (max. 16)** | |
| Term/Yr | Credits | Term/Yr | Credits | Term/Yr | Credits | Term/Yr | Credits | Term/Yr | Credits |
| **BY 755 – Statistics** |  | **3** |  |  |  |  |  |  |  |  |
| **GRD 715 – TA Prep Course** |  |  |  |  |  | **2** |  |  |  |  |
| **GRD 717 – Scientific Integrity** |  |  |  |  |  | **3** |  |  |  |  |
|  |  |  |  |  |  |  |  | **1** |  |  |
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| **Subtotals** | |  | Collective Max: 6 | | | | |  | Max. 6 |  |
| **Total** | |  | | | | | | | | |

**Date of Candidacy: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**As Candidate: 24 credits**

* Minimum of 24 credits of BY 799 (or a combo of 12 credits of BY 799 and 12 credits of didactic credits)

|  |  |  |  |  |  |  |
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| **Course** | **BY 799 (min. 12)** | | **Didactic Courses** | | **Other Credits** | |
| Term/Yr | Credits | Term/Yr | Credits | Term/Yr | Credits |
|  |  |  |  |  |  |  |
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| **Subtotals** | Min. 12 |  |  |  |  |  |
| **Total** |  | |  | |  | |

**ADDITIONAL GRADUATE COURSES COMPLETED:**

Course Semester (Year) Credits Grade